MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	I & Final Bill						
	Name of Work:- Improvements of road and drain in Devingara Balaji layout, Bhadrappa layout and surrounding areas in ward no. 08.						
	Esti. cost:- Rs. 70,00,000/-						
	Job code no:- 008-19-00002 4						
	AS/NO:- AS/EE(BTP)/59/19-20. Dt: 21.06.2019						
	TS/NO:- TS/CE(YNK)/34/18-19. Dt: 27/06/2019						
	Agency name:- Executive Engineer (KRIDL)						
	Work order no:- BBMP/EE/BTP/WO/444/19-20. Dt: 08/07/2019						
	Date of commencement:- 08-07-2019						
	Date of completion:- 22-08-2019						
1)	Scarifying bituminous course 50mm to 75mm thick deep with premix carpet/Surface dressing by manual mean without disturbing the bye and stacking of the debris materials, including cost of all labour						

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work	Nu
1	2	
	charges complete as per
: Qty vide P
page(1) = 46
2) Removing & refixing stone
: Qty vi
page no (2) = 4
3) Dismantling of existi
ed other structures, com
works, including T & P a
shed, materials disposal
materials with all lab	

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epth 6	Contents 7	Reference to last Measurement 8
		ring in Devingarg Balaji surrounding drain in ward
		08/07/2019
		with dense mixt premix without disturbing the bay cost & all labour

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Measurement Book

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354461

erial No. .....
ame of Work ..... From..... To.....
ame of Contractor of nature of Agency .....
ate of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	charges complete as per Specification:						
	: Qty vide P.M ref measurement sheet page(1) =	460.00 m²				Rs. 43884.00	
2)	Removing & refixing stone slab of drain and pointing in CM (1:3)						
	: Qty vide P.M ref measurement sheet page no (2) =	415.32 m²				Rs. 46225.00	
3)	Dismantling of existing Structure like culvert, bridges, rebar in ground and other structure comprising of masonry, cement concrete, wood work steel work, including T & P and Scaffolding, lifting, carriage, stacking the serviceable material, disposal of unserviceable material, as directed with all lead & complete as per Specification						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	= Qty vide P.M reg measurement sheet Page No (4) = 270.84 m³ @ Rs 481.00/cum Rs. 130339.00						
4)	Earthwork excavation by manual means for roads, drain & similar works in ordinary soil excavated, surface levelled and sides neatly dressed, the disposal earth to be levelled neatly after breaking of clods complete as per specifications. = Qty vide P.M reg measurement sheet Page No. (7) = 909.36 m³ @ Rs. 137.80/cum Rs. 125310.00						
5)	providing and laying in position plain cement concrete of mix 1:4:8 with 20 mm and down size graded graded metal coarse aggregate @0.85 cum. and fine aggregate @0.57 cum. machine mixed machine mixed concrete laid in layers not exceeding 15 cm thick well compacted in foundation including cost of all materials, labour, TOM curing complete as per specifications. = Qty vide P.M reg measurement sheet						

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work
1	2
	Page No. (10) =
6)	Providing and laying plain cement concrete mix 1:4:8 with metal coarse aggregate and well compacted cost of materials, TOM as per MORTH Spec
	= Qty vide
	Page No. (12) =
7)	providing T.M.T. bending hooking, placing with binding wire

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h	Depth 6	Contents 7	Reference to last Measurement 8
		...cumb Shub	
		...81. m/cum	Rs. 130339.00
		...r roofs, drain	...Similar works
		...ded and sides	...nably dressed
		...after breaking	...to close complete
		...ngcumb Shub	
		...37.80/cum	Rs. 125310.00
		...te concrete of mix 1:4:8 with	
		...d graded metal coarse aggregate	
		...chine mixed machine mixed	
		...in Mills work compacted in	
		...per Hand curing complete as per	
		...cumb Shub	

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No. B

354462

...erial No. .....
...ame of Work ..... From..... To.....
...ame of Contractor of nature of Agency .....
...ate of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	Page No. (10) =	361.92 m³		5408.	1/cum	Rs. 1957307.00	
	6) Providing and laying plain/reinforced cement concrete for side drain using M20 nominal mix concrete with 20mm and down size graded metal coarse aggregate @ 0.69 cum and fine aggregate @ 0.43 cum machine mixed, well compacted for walls and bottom including curing, shuttering cost of materials, Hoisting & machining, curing &c. complete excluding cost of steel as per MORTH Specifications.						
	= Qty vide P.M ref measurements Shub					Rs. 539598.00	
	Page No. (12) =	76.32 m³		7070.20/cum			
	7) Providing T.M.T steel reinforcements for R.C.C work including straightening cutting bending hooking, placing in position keeping and / or welding where required tying with binding wire and including to the adjoining existing reinforcements, where necessary						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	complete as per design (lifts, hooks and wastage shall not be measured and paid) cost of materials, labour etc complete as per specifications.						
	= Qty vide P.M ref measurement sheet						
	Page No. (14) =	3.82 Tons	@ Rs. 75223.96/Tons			Rs.	287055.00
8)	Providing granite slabs of slabs of selected quality roughly dressed and fixed in cement mortar (1:6) including fitting curing etc: complete						
	= Qty vide P.M ref measurement sheet						
	Page No. (16) =	190.80 m^2	@ Rs. 966.72/Sqm			Rs.	184450.00
9)	Providing chamfering edges to stone slab 2.5 cm wide as per specifications (only chamfered length shall be recorded)						
	= Qty vide P.M ref measurement sheet						
	Page No. (18) =	1130.67 mtr	@ Rs. 61.48/mtr			Rs.	69513.00

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency
Date of commencement of work .....

Date	Full description, etc, of work
1	2
10)	Providing and lay... per specifications. = ...
	Page No. (19)
11)	Providing machine ... direction of Engineer = Qty...
	Page No. (20)
12)	Providing and fixing ... made out of CC ... cutting etc. Complete =
	Page No. ...

OOK

th	Depth 6	Contents 7	Reference to last Measurement 8
		Wastage shall not be	
		taken from Complete as per	
		measurement sheet	
		5223.96/Sqm Rs.	287055.00
		Selected quality roughly dressed	
		including fixing using Rly:	
		measurement sheet	
		166.72/Sqm Rs.	18445.00
		as wide as per specification	
		sheet sheet	
		1.48/Mtr Rs.	69513.00

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354463

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
1	10) Providing one line dressing to granite stone sl-s/ granite stone masonry as per specification. = Qty vide p.m ref measurement sheet Page No. (19) =	190.80m²			Rs. 950.82/Sqm	Rs. 181416.00	
	11) Providing machine cutting to B.S slab including one lead and lift as per direction of Engineer in charge of work. = Qty vide p.m ref measurement sheet Page No. (21) =	1130.67	Rmtr		Rs. 60.00/Rmtr	Rs. 67840.00	
	12) Providing and fixing pre cast solid concrete kerb stone size 450×200×400 mm made out of CC 1:2:4 and finished with cut & 1:3 plastering, and finishing cutting etc. Complete = Qty vide p.m ref measurement sheet Page No. (23) =	458.00	Nos		Rs. 477.00/Nos	Rs. 218466.00	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
13)	providing and applying ready mix primer coats over sound asbestos cement sheet / plastered surface after thoroughly cleaning of oil, grease dirt and matter and sand papering as per specifications. including cost of material, labour complete = Qty vide P.m. ref page No. (24) =	measurement sheet 82.44 m²	@ Rs. 39.21/sqm			Rs. 3233.00	Carried / make-ready the surface other factors
14)	painting two coats on new concrete surface / painting two coats after filling the surface with synthetic enamel paint in all shades on new plastered concrete surface complete as per specifications. = Qty vide primer page No. (25) =	measurement sheet 82.44 m²	@ Rs. 86.91/sqm			Rs. 7166.00	
15)	providing and fixing M.S grill work for windows and ventilators using M.S flats, M.S square rods, or combination of M.S flats and square rods as per approved design, drawing, including cutting etc.						

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Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work	Num
1	2	
	Sections and welding lead primer coat of specifications. = Qty page No. (26) =	me 26
16)	providing and fixing doun six grade jelly. work and finishing. = Qty page No. (27) =	11
17)	providing and laying	

BOOK

s		Contents	Reference to last Measurement
adth 5	Depth 6	7	8
ming coats of cement Surface including grade slab and all materials, labour complete		Cement/ma- prepare the other items	
cements finish			
2/sqm		Rs. 3233.00	
Painting two coats after filling all cracks on new plastered			
ces.			
finish			
.92/sqm		Rs. 7166.00	
for windows and ventilators of combination of M.S flats and ing, including cutting etc.			

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No. B

354464

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Sections and welding lead primer cost of Specifications.	the same to				required pattern with a coats of red materials, fixtures, labour and HOM complete as per measurements finish	
	= Qty vide P.m ref page no. (26) =	26.46 kg				Qty. 100.70/kg	Rs. 2665.00
16)	Providing and fixing RCC 1:2:4 downsize granite jelly, as per design including necessary curing and finishing. with CM 1:3, Etc. complete	precast slab				for covering vesing 10mm and 100 cm thick	
	= Qty vide P.M ref page no. (27) =	117.33 m²				Qty. 2337.00/sqm	Rs. 274200.00
17)	Providing and laying cement	Concrete				using 20mm and downsize granite	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Coarse aggregates and fine aggregates of ready mixed Concrete (RMC) M30 for RCC works laid in 15 cm. thick layers and well compacted by vibrating unit for foundations & sub structures works with all lead and lifts etc. complete (exclusive of cost of Steel and fabrication charges)						
	= Qty vide P.M ref Measurement Sheet						
	Page No (29) =	275.10 m^3	@	5770.64/cum	Rs.	1587503.0	
18)	Vaccum de-watering with vaccum Pump and Suction & inlet and com. Pactin with Skin floater clubbed with floating disc including cost of generator, Hire of machinery, Screed vibratory power floater blade and disc etc. with all lead and lifts.						
	= Qty vide P.M ref measurement Sheet						
	Page No. (31) =	2200.80 m^2	@	72.08/sqm	Rs.	158634.0	

Serial No. .....
Name of Work .....
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Date of commencement of work .....

Date	Full description, etc, of work
	2
19)	Providing & 100mm including cost of blade. C Sand and hole bi conveyance of all incidental charge pavements.
	Page No.
20)	Lead for dis

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Depth 6	Contents 7	Reference to last Measurement 8
	ready mixed Concrete	
	thick layer. and over	
	ing & sub structure.	
	(exclusive of cost of	
	& shub	
	4/cum Rs. 1587503.00	
	of Section & rub and com-	
	floating disc including	
	vibratory power plunger	
	Lith.	
	rub shub	
	8/sqm Rs. 158634.00	

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Serial No. .....

Name of Work ..... From..... To.....

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Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
19	Providing groove cutting for width of 5mm to 10mm and ~~depth~~ 80mm. 100mm including cost of cutting machine (remember 4 HOM, including cost of blade. Coolant etc; including clearing of groove & providing sand and hot bitumen fillers, and fillers, metal etc: including cost of conveyance of all materials labour. lead and lift charges and all other incidental charges as per drawing and as per specification. concrete pavements. = Qty vide P.M for measurements & sub page no. (33) = 278.70 mtr @ Rs 143.10/mtr Rs. 39882.00						
20	Lead for disposal of debries shall be payable at carriage rates						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	by mechanical means including loading and unloading from						
	13.30 cum. = Qty vide P.M ref Measurements Sheet						
	page No. (34) =		1190.60 m³	@ Rs. 91.05/cum		Rs.	108404.00
				Sub Total Rs =			6033090.00
				Add 12% G.S.T charges Rs =			723971.00
				Add 4% KRFB charges Rs =			241324.00
				Grand Total Rs.			6998385.00
	Certificates:-						
	* Work done is Satisfactorily						
	* All debris clearance from the work is done by contractor own vehicle						
	* There are no departmental issues only to the contractor.						
	22/8/19						

Assistant Executive Engineer
Kodigehalli Sub Division,
B.B.M.P.,
Yelahanka
Bengaluru.

Assistant Executive Engineer,
Kodigehalli Sub Division,

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Date	Full description, etc, of work	Numb
	1st and Final	Bill 3

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ಚಿಲ್ಲು ಮೊಬಲಗು ರೂ. 6998385 ಗಳನ್ನು ಪ
ಇದರಲ್ಲಿ ರೂ. 6742238-00 ಗಳನ್ನು
ಮಾಡಿಕೊಂಡು ರೂ. 623407 2-00

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ಬ್ಯಾಟರಾಯನಪುರ ವಿಭಾಗ
ಬೃ.ಬೆ.ಮ.ಪಾ. ಬೆಂಗಳೂರು

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